

ZERO-WATER CONSUMPTION URINAL FIXTURES**AC M-1****References:**

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2001 California Plumbing Code (Title 24, Part 5), Sections 301.2, 401.1, 406.2

2001 California Building Standards Administrative Code (Title 24, Part 1), Section 4-304

Discipline: Plumbing

This Acceptance Criteria (AC) document establishes requirements for the specified building material or component for use in projects under DSA jurisdiction, in accordance with referenced provisions of Title 24. The purpose of this AC document is to promote statewide consistency in the application and enforcement of Title 24 by project design professionals and DSA staff for projects under DSA jurisdiction.

DSA may consider alternate criteria, provided the project design professional submits valid data demonstrating that the alternate criteria are at least equivalent to the criteria set forth in this document, and otherwise demonstrate compliance with Title 24.

This AC document is subject to review on a regular basis by DSA, and may be revised at any time. Currently effective AC documents are posted on the DSA website at <http://www.dsa.dgs.ca.gov/Publications/default.htm>.

Scope: This acceptance criteria document establishes requirements for zero-water consumption urinal fixtures specified in project construction plans and specifications for installation in California public schools and state-owned buildings under DSA jurisdiction.

Zero-water consumption urinal fixtures do not require a water supply or flushing device to flush the contents of the fixture, cleanse the fixture, or refill the fixture trap. These fixtures are designed to receive and convey only liquid waste (urine) through a trap seal and into the gravity drainage system without the use of water for such function. These fixtures have an integral or removable trap with a liquid seal device and a standard 1½ inch or 2 inch outlet assembly for connection to the sanitary drainage system. Periodic maintenance is required to clean the fixture and maintain the liquid seal device.

1. Application.

1.1 Public Schools. The design professional in general responsible charge (i.e. project architect) of the design of the school construction project shall consult with the school district regarding installation and maintenance requirements for the proposed urinal fixtures. The zero-water consumption urinal fixtures and installation must comply with the requirements noted in Section 2 below.

1.2 State-Owned Buildings. The design professional in general responsible charge (i.e. project architect) of the state building project design shall consult with the Department of General Services regarding installation and maintenance requirements for the proposed urinal fixtures. The zero-water consumption urinal fixtures and installation must comply with the requirements noted in Section 2 below.

2. Fixture and Installation Requirements.

2.1 Listing. Fixtures shall be certified by an approved testing agency, indicating conformance with applicable standard(s) referenced in Section 2.3 below. Evidence of this certification shall be included with the construction documents submitted to DSA with each project application. A recognized agency listing (e.g. ICC-ES Legacy Report, SBCCI Public Safety Testing and Evaluation Services Inc., IAPMO Research and Testing, Inc.) may be referenced in the project construction plans and/or specifications to fulfill this requirement.

2.2 Identification. Fixtures must be permanently marked with the manufacturer's name and model number or designation.

2.3 Fixture Manufacturing. Urinal fixtures shall be manufactured in compliance with the requirements of ASME A112.19.2M-95 for vitreous china, or ANSI Z124.9-94 for plastic urinals.

2.4 Installation and Maintenance. Fixtures shall be installed and maintained in accordance with the manufacturer's instructions, any recognized listing, and applicable provisions of the California Plumbing Code and California Building Code for these fixtures.

2.5 Accessibility. Fixtures must comply with applicable accessibility provisions of the California Plumbing Code and California Building Code.